

COLORADO OIL SHALE

Corehole: LIGNUM VITA #13 (10'-539'8")

10'-	
20'4"	oil shale, lt. gy. to gy.-blk., fine-banded, to massive, scat. carb. mat., w. indur.
20'4"-	
30'2"	as above
30'2"-	
41'11"	oil shale, as above
40'11"-	
50'8"	oil shale, lt. gy. to dk. gy., fine-banded, scat. carb. mat., w. indur.
50'8"-	
59'9"	as above, oil shale occ. massive, bedding contorted
59'9"-	
69'2"	as above
69'2"-	
79'	as above
79'-	
88'11"	oil shale, lt. gy. to med. dk. gy., fine-banded to massive, contorted banding common., scat. carb. mat., w. indur.
88'11"-	
98'7"	oil shale, lt. gy. to gy.-blk., fine-banded, scat. carb. mat., w. indur.
98'7"-	
109'	as above, w/scat., small cavities filled w/anhy.
109'-	
121'6"	as above, w/tuff. zn. from 113'-115'
121'6"-	
134'	as above
134'-	
145'	oil shale, as above
145'-	
157'6"	as above, w/scat., thin ($\frac{1}{4}$ "- $\frac{1}{2}$ ") tuff. zns.
157'6"-	
171'	as above, w/asphaltic zn. from 160' to 161'6"
171'-	
180'6"	as above
180'6"-	
192'7"	oil shale, as above
192'7"-	
204'2"	as above

204'2"-
 216' oil shale, med. lt. gy. to gy.-blk., fine-banded, w. indur., scat. carb. mat., and scat., thin (1/8"-1/4") tuff. zns.

216'-
 228' as above

228'-
 239'8" oil shale, as above

239'8"-
 251'5" as above

251'5"-
 263' as above

263'-
 275' oil shale, as above, w/small, calc.-filled frac. at 80° from 272'9"-273'

275'-
 287'2" as above, w/tuff. beds 1/2" to 1" thick

287'2"-
 298'7" as above

298'7"-
 310' as above, w/abnt. tuff. zns. from 298'7" to 300'6"

310'-
 321' oil shale, as above

321'-
 332'10" oil shale, as above

332'10"-
 344'5" as above

344'5"-
 354'2" oil shale, as above, w/abnt. tuff zns. from 350' to 354' *← Wavy Tuff*

354'2"-
 366' oil shale, as above, w/tuff zns. common from 354'2" to 355'

366'-
 376'9" oil shale, as above

376'9"-
 388'3" oil shale, med. dk. gy. to gy.-blk., fine-banded, w. indur., w/scat. carb. frgs.

388'3"-
 399'8" oil shale, as above

399'8"-
411'4" as above, w/scat., thin ($\frac{1}{4}$ ") tuff. zns.

411'4"-
422'7" oil shale, v. lt. gy. to dk. gy., fine-banded, scat. carb. frgs.,
w/small frag. at 60° from 411'8", and scat., thin, tuff zns., w. indur.

422'7"-
437'4" oil shale, v. lt. gy. to gy.-blk., fine-banded, scat. carb. frgs., thin,
scat. tuff. zns., w. indur.

437'4"-
449'6" oil shale, med. gy. to gy.-blk., fine-banded, scat. carb. frgs., w.
indur. (mahogany marker at 449')

449'6"-
460'5" as above

460'5"-
472'6" oil shale, as above

472'6"-
484'6" as above

484'6"-
496'10" oil shale, as above

496'10"-
508'2" as above

508'2"-
519'8" as above

519'8"-
532'11" oil shale, as above, w/scat., thin ($\frac{1}{4}$) tuff. zns.

532'11"-
539'8" as above, w/tuff. zns. $\frac{1}{4}$ to $\frac{1}{2}$ " thick common